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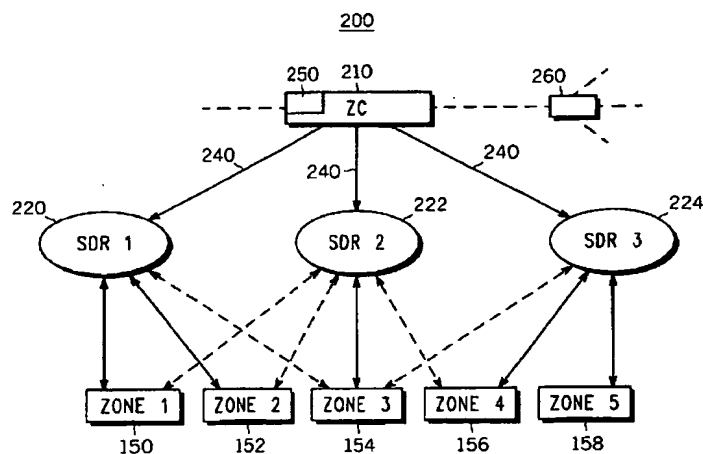
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(54) Title: WIRELESS COMMUNICATION SYSTEMS AND METHOD FOR UPDATING LOCATING INFORMATION OF MOBILE STATIONS USING MULTICAST



(57) Abstract: A wireless zone-based communication system (200, 300) includes a plurality of zones (150-158) being served with short data capabilities by a plurality of short data routers (220-224). At least one zone controller (210) from a number of zone controllers transmits a multicast message (430, 440) to the plurality of short data routers (220-224). At least one short data router (220) is able to generate or update information relating to mobile communication units that are operational in the one or more zones the short data router (220) serves. Preferably, the short data router serves as a primary and/or secondary (back-up) and/or load sharing short data router. A method for improving redundancy provision in a wireless zone-based communication system (200, 300), a zone controller (210) and a short data router (220) are also described. This mechanism ensures that all short data routers are simultaneously provided with the same mobility information, due to continuous multicast message transmissions from the zone controllers. The maintenance of the mobility databases in each of the short data routers is therefore accurate and synchronised.

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